

02 FEB 2005

10/5229

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/CA 03/01195A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G02B6/38

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, INSPEC, COMPENDEX

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 373 340 A (QUANTE AG) 20 June 1990 (1990-06-20) column 7, line 2-43 column 10, line 16-33 figures 6,8	1,2
A	PATENT ABSTRACTS OF JAPAN vol. 014, no. 094 (P-1010), 21 February 1990 (1990-02-21) -& JP 01 302209 A (SHIMADZU CORP), 6 December 1989 (1989-12-06) abstract	1,2
	-/-	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document relating to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*8\* document member of the same patent family

Date of the actual completion of the international search

14 October 2003

Date of mailing of the international search report

21/10/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx. 31 651 epo nl  
Fax (+31-70) 340-3016

Authorized officer

Verdrager, V

BEST AVAILABLE COPY

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/CA 03/01195

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 016, no. 155 (P-1338), 16 April 1992 (1992-04-16) -& JP 04 006507 A (FURUKAWA ELECTRIC CO LTD:THE), 10 January 1992 (1992-01-10) abstract figures 4,8	1,2
A	DE 198 30 358 A (DIAMOND SA) 21 January 1999 (1999-01-21) column 3, line 28 -column 4, line 10 figures 1,2	1,2
A	PATENT ABSTRACTS OF JAPAN vol. 015, no. 344 (P-1245), 30 August 1991 (1991-08-30) -& JP 03 130706 A (FUJITSU LTD), 4 June 1991 (1991-06-04) abstract figures 1,3	1,2
A	DE 27 54 347 A (LICENTIA GMBH) 13 June 1979 (1979-06-13) page 7, paragraph 1	1,2
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 24, 11 May 2001 (2001-05-11) -& JP 2001 194554 A (NISSHIN KASEI:KK;NIPPON TELEGR & TELEPH CORP), 19 July 2001 (2001-07-19) abstract figures 2,3	1,2

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA 03/01195

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0373340	A	20-06-1990	DE 3842368 A1 AT 84883 T DE 58903351 D1 EP 0373340 A1 ES 2037374 T3 TR 24516 A	21-06-1990 15-02-1993 04-03-1993 20-06-1990 16-06-1993 01-11-1991
JP 01302209	A	06-12-1989	NONE	
JP 04006507	A	10-01-1992	NONE	
DE 19830358	A	21-01-1999	CH 692165 A5 DE 19830358 A1	28-02-2002 21-01-1999
JP 03130706	A	04-06-1991	NONE	
DE 2754347	A	13-06-1979	DE 2754347 A1	13-06-1979
JP 2001194554	A	19-07-2001	NONE	

10/522995

DT Rec'd PCT/PTO 02 FEB 2005

**IN THE CANADIAN PATENT OFFICE**

The Receiving Office

In The Matter of International (PCT) Patent Application:

Current Owner : Le Savoir du Gardien Inc.  
Original Applicant : Le Savoir du Gardien Inc.  
Serial No. : PCT/CA03/01195  
Filing Date : August 7, 2003  
Title : OPTICAL FIBER CONNECTOR ASSEMBLY  
Our File : L8000684WO  
Date : August 9, 2004

---

The Commissioner of Patents  
50 Victoria Street, Phase I, Place du Portage  
Gatineau, Quebec K1A 0C9

**Response to Written Opinion and Amended under Article 34 (2) (b) PCT**

Dear Sirs:

This is in response to the written opinion dated April 8, 2004. Please amend the application as follows:

**In the claims**

Please replace claims 1 and 2 with amended claims 1 and 2 on replacement pages 18 to 20 submitted herewith.

**In the disclosure**

Please replace the disclosure pages 4 to 16 with amended disclosure pages 4 to 17 submitted herewith.

**Remarks**

The Applicant has amended claim 1 to add the feature that the connector is made from any suitable material that has the property of shape memory.

The Applicant has amended claims 1 and 2 to add the reference numerals in parentheses as required by Rule 6.2(b) PCT.

The Applicant has amended the disclosure at page 5, line 3 to include reference to EP 373 340 and to add the relevant background disclosed therein as required by Rule 5.1 (a) (ii) PCT.

The Applicant has also added at page 4, lines 28 to 31, page 5, lines 28 to 30 and page 7, lines 7 to 11 of the disclosure, text that explains that the present connector assembly can be used and applied to any context where fibers from an optical network are to be connected and as such is not limited to "last mile" connection.

Respectfully submitted,

**GOWLING LAFLEUR HENDERSON LLP**

Agents for Applicant

Emmanuel Manolakis  
Direct Dial (514) 392-9592  
EMM:KS

Encl.

From the  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

Manolakis, Emmanuel  
GOWLING LAFLEUR HENDERSON L.L.P.  
1, Place Ville-Marie, 37th Floor  
Montréal, Quebec, H3B 3P4  
CANADA

PCT

WRITTEN OPINION

(PCT Rule 66)

Jun 8/04

Date of mailing.

(day/month/year)

08.04.2004

Applicant's or agent's file reference

L8000684WO

REPLY DUE

within 2 month(s)

from the above date of mailing

International application No.

PCT/CA 03/01195

International filing date (day/month/year)

07.08.2003

Priority date (day/month/year)

09.08.2002

International Patent Classification (IPC) or both national classification and IPC

G02B6/38

Applicant

LE SAVOIR DU GARDIEN INC. et al.

1. This written opinion is the first drawn up by this International Preliminary Examining Authority.

2. This opinion contains indications relating to the following items:

- I ☒ Basis of the opinion
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

3. The applicant is hereby invited to reply to this opinion.

**When?** See the time limit indicated above. The applicant may, before the expiration of that time limit, request this Authority to grant an extension, see Rule 66.2(d).

**How?** By submitting a written reply, accompanied, where appropriate, by amendments, according to Rule 66.3. For the form and the language of the amendments, see Rules 66.8 and 66.9.

**Also:** For an additional opportunity to submit amendments, see Rule 66.4.  
For the examiner's obligation to consider amendments and/or arguments, see Rule 66.4 bis.  
For an informal communication with the examiner, see Rule 66.6.

If no reply is filed, the international preliminary examination report will be established on the basis of this opinion.

4. The final date by which the international preliminary examination report must be established according to Rule 69.2 is: 09.12.2004

Name and mailing address of the international preliminary examining authority:



European Patent Office - Gitschiner Str. 103  
D-10958 Berlin  
Tel. +49 30 25901 - 0  
Fax: +49 30 25901 - 840

Authorized Officer

Verdrager, V

Formalities officer (incl. extension of time limits)

Geier, A

Telephone No. +49 30 25901-706



**WRITTEN OPINION**

International application No. PCT/CA 03/01195

**I. Basis of the opinion**

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this opinion as "originally filed"*).

**Description, Pages**

1-16 as originally filed

**Claims, Numbers**

1-2 as originally filed

**Drawings, Sheets**

1/7-7/7 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).  
☐ the language of publication of the international application (under Rule 48.3(b)).  
☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority in written form.  
☐ furnished subsequently to this Authority in computer readable form.  
☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.  
☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:  
☐ the claims, Nos.:  
☐ the drawings, sheets:

5. ☐ This opinion has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).

6. Additional observations, if necessary:

**WRITTEN OPINION**

International application No. PCT/CA 03/01195

---

**V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Claims	1,2
Inventive step (IS)	Claims	1,2
Industrial applicability (IA)	Claims	

**2. Citations and explanations**

**see separate sheet**



**WRITTEN OPINION  
SEPARATE SHEET**

International application No. PCT/CA03/01195

**Re Item V**

**Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Cited documents**

- 1.1 The following documents are referred to in this communication; the numbering will be adhered to in the rest of the procedure:

D1: EP-A-0 373 340 (QUANTE AG) 20 June 1990 (1990-06-20)

**2. Clarity**

- 2.1 The application does not meet the requirements of Article 6 PCT, because claims 1 and 2 are not clear.
- 2.2 It is clear from the description on page 6, lines 2-15 and page 10, lines 7-20 that the following feature is essential to the definition of the invention:  
the connector is made from any suitable material that has the property of shape memory.  
Since independent claim 1 does not contain this feature it does not meet the requirement following from Article 6 PCT taken in combination with Rule 6.3(b) PCT that any independent claim must contain all the technical features essential to the definition of the invention.  
This essential feature is only implicitly contained in independent claim 2 (page 18, lines 15-16; page 19, lines 2-3) and has to be explicitly added (Rule 6.3(b)).

**3. Novelty and inventive step**

- 3.1 The subject-matter of claims 1 and 2 is considered to be both novel and inventive (Article 33(2) and 33(3) PCT) for the following reasons.
- 3.2 The subject-matter of claim 1 relates to a connector assembly for connecting

**WRITTEN OPINION  
SEPARATE SHEET**

International application No. PCT/CA03/01195

optical fibers comprising:

a connector made from a material having the shape memory property, the connector comprising a longitudinally extending body, and said body having a conduit, and said body comprising a plurality of finger projections;

a connector housing comprising four quarter portions, and defining a connector chamber for receiving said connector, said quarter portions configured such that two of the quarter portions when assembled comprise a first end and two of the quarter portions when assembled comprise a second end of said connector housing and further configured to exert tractional force on the said connector when said connector is positioned in the connector chamber, by axial rotation of said first part end relative to said second end of said connector housing, each of said connector housing ends comprising an aperture and pass through conduit between said aperture and said connector chamber; and

a needle capable of insertion through said aperture, pass through conduit and connector conduit; and capable of expansion of the radial diameter of said connector conduit when inserted there through.

- 3.3 The closest prior art is represented by document D1, which describes a connector for optical fibers. The end portion of each fiber is fitted in a connector element which has a bush which encloses three short rods of circular cross-section. These rods form a centralising device for the end of the wave guide. Each half of the coupling has an outer bush which receives the inner bush of each connector element. It aligns them one with the other, so that the fibers are also aligned with each other.
- 3.4 The difference between the subject-matter set out in claim 1 and that of D1 is that the connector of D1 is not made from a "shape memory" material and that it has no needle.
- 3.5 The technical problem to be solved by the present invention is to provide a "last mile" optical fiber connector with high mechanical precision, enabling frequent connections and disconnections.
- 3.6 The tractional force applied by the four quarter portions on the connector deforms the connector according to the elastic limits of the connector made of a material having the property of shape memory. The inserted needle causes an extension

**WRITTEN OPINION  
SEPARATE SHEET**

International application No. PCT/CA03/01195

of the diameter of the conduit. After removal of the needle but still under tractional force, optical fibers to be connected can be easily inserted in the enlarged conduit. The relieve of the tractional force on the connector then reduces the diameter of the connector conduit according to the shape memory property, therefore securing the optical fiber abutment.

The specific features of the solution provided by claim 1 are neither disclosed in nor rendered obvious by either one of the prior art documents listed in the European search report. Therefore, the subject-matter of present claim 1 is considered to be both novel and inventive (Articles 33(2) and 33(3) PCT).

- 3.7 The subject-matter of independent claim 2, which defines a method of connecting optical fibers, is also considered to be both novel and inventive (Articles 33(2) and 33(3) PCT).

**4. Formal aspects**

- 4.1 Independent claims 1 and 2 are not in the two-part form in accordance with Rule 6.3(b) PCT.
- 4.2 The features of the claims 1 and 2 are not provided with reference signs placed in parentheses (Rule 6.2(b) PCT).
- 4.3 To meet the requirements of Rule 5.1(a)(ii), the document D1 should be identified in the description and the relevant background art disclosed therein should be briefly discussed.
- 4.4 In order to facilitate the examination of the conformity of the amended application with the requirements of Article 34(2)(b) PCT, the applicant is requested to clearly identify the amendments carried out, no matter whether they concern amendments by addition, replacement or deletion, and to indicate the passages of the application as filed on which these amendments are based (see also Rule 66.8(a) PCT).
- If the applicant regards it as appropriate these indications could be submitted in handwritten form on a copy of the relevant parts of the application as filed.

## PATENT COOPERATION TREATY

PCT

INFORMATION CONCERNING ELECTED  
OFFICES NOTIFIED OF THEIR ELECTION

(PCT Rule 61.3)

From the INTERNATIONAL BUREAU

To:

MANOLAKIS, Emmanuel  
Gowling Lafleur Henderson LLP  
1, Place Ville-Marie  
37th Floor  
Montréal, Québec H3B 3P4  
Canada

Date of mailing (day/month/year) 16 April 2004 (16.04.2004)		
Applicant's or agent's file reference L8000684WO		IMPORTANT INFORMATION
International application No. PCT/CA2003/001195	International filing date (day/month/year) 07 August 2003 (07.08.2003)	
Priority date (day/month/year) 09 August 2002 (09.08.2002)		
Applicant LE SAVOIR DU GARDIEN INC. et al		

1. The applicant is hereby informed that the International Bureau has, according to Article 31(7), notified each of the following Offices of its election:

EP : AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,  
SI, SK, TR  
National : BG, CA, CN, DE, GB, IL, JP, KP, KR, MN, NO, PL, RO, RU, SK, US

2. The following Offices have waived the requirement for the notification of their election; the notification will be sent to them by the International Bureau only upon their request:

AP : GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW  
EA : AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
OA : BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
National : AE, AG, AL, AM, AT, AU, AZ, BA, BB, BR, BY, BZ, CH, CO, CR, CU, CZ, DK, DM, DZ, EC,  
EE, ES, FI, GD, GE, GH, GM, HR, HU, ID, IN, IS, KE, KG, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MW, MX, MZ, NI, NZ, OM, PG, PH, PT, SC, SD, SE, SG, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,  
UG, UZ, VC, VN, YU, ZA, ZM, ZW

3. The applicant is reminded that he must enter the "national phase" before the expiration of 30 months from the priority date before each of the Offices listed above. This must be done by paying the national fee(s) and furnishing, if prescribed, a translation of the international application (Article 39(1)(a)), as well as, where applicable, by furnishing a translation of any annexes of the international preliminary examination report (Article 36(3)(b) and Rule 74.1).

Some offices have fixed time limits expiring later than the above-mentioned time limit. For detailed information about the applicable time limits and the acts to be performed upon entry into the national phase before a particular Office, see Volume II of the PCT Applicant's Guide.

The entry into the European regional phase is postponed until 31 months from the priority date for all States designated for the purposes of obtaining a European patent.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer:  Mohamed Mehdi MAOUI
Facsimile No. (41-22) 338.89.95	Telephone No. (41-22) 338 8387

Form PCT/IR/332 (September 1997)

62071R1

## PATENT COOPERATION TREATY

From the  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

PCT

To:

Manolakis, Emmanuel  
GOWLING LAFLEUR HENDERSON L.L.P.  
1, Place Ville-Marie, 37th Floor  
Montréal, Quebec, H3B 3P4  
CANADA

NOTIFICATION OF RECEIPT  
OF DEMAND BY COMPETENT INTERNATIONAL  
PRELIMINARY EXAMINING AUTHORITY

(PCT Rules 59.3(e) and 61.1(b), first sentence  
and Administrative Instructions, Section 601(a))

Date of mailing  
(day/month/year) 02-04-2004

Applicant's or agent's file reference  
L8000684W0

## IMPORTANT NOTIFICATION

International application No.  
PCT/CA03/01195

International filing date (day/month/year)  
07/08/2003

Priority date (day/month/year)  
09/08/2002

Applicant

LE SAVOIR DU GARDIEN INC. et al.

1. The applicant is hereby notified that this International Preliminary Examining Authority considers the following date as the date of receipt of the demand for international preliminary examination of the international application:

09/03/2004

2. This date of receipt is:

- ☒ the actual date of receipt of the demand by this Authority (Rule 61.1(b)).  
☐ the actual date of receipt of the demand on behalf of this Authority (Rule 59.3(e)).  
☐ the date on which this Authority has, in response to the invitation to correct defects in the demand (Form PCT/IPEA/404), received the required corrections.

3. ☐ **ATTENTION:** That date of receipt is after the expiration of 19 months from the priority date. Consequently, in respect of some Offices, the demand does not have the effect of postponing the entry into the national phase until 30 months from the priority date (or later in some Offices) (Article 39(1)) and the acts for entry into the national phase must therefore be performed within 20 months from the priority date (or later in some Offices). However, in respect of some other Offices, the time limit of 30 months (or later) may nevertheless apply. See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the *PCT Applicant's Guide*, Volume II, National Chapters and the WIPO Internet site.

- ☐ (If applicable) This notification confirms the information given by telephone, facsimile transmission or in person on:

4. Only where paragraph 3 applies, a copy of this notification has been sent to the International Bureau.

Name and mailing address of the IPEA/

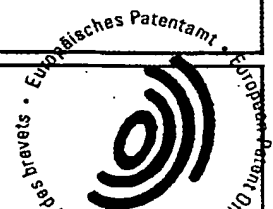


European Patent Office, Gitschiner Str. 103  
D-10969 Berlin - Germany  
Tel.: (+49-30) 25901-0  
Fax: (+49-30) 25901-840

Authorized officer

GRANDIS D

Tel. (+31-70) 340-2784



## PATENT COOPERATION TREATY

PCT

NOTIFICATION CONCERNING  
SUBMISSION OR TRANSMITTAL  
OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

From the INTERNATIONAL BUREAU

To:

MANOLAKIS, Emmanuel  
Gowling Lafleur Henderson LLP  
1, Place Ville-Marie  
37th Floor  
Montréal, Québec H3B 3P4  
Canada

Date of mailing (day/month/year) 29 September 2003 (29.09.03)	<b>IMPORTANT NOTIFICATION</b>
Applicant's or agent's file reference L8000684WO	
International application No. PCT/CA03/01195	International filing date (day/month/year) 07 August 2003 (07.08.03)
International publication date (day/month/year) Not yet published	Priority date (day/month/year) 09 August 2002 (09.08.02)
Applicant LE SAVOIR DU GARDIEN INC. et al	

1. The applicant is hereby notified of the date of receipt (except where the letters "NR" appear in the right-hand column) by the International Bureau of the priority document(s) relating to the earlier application(s) indicated below. Unless otherwise indicated by an asterisk appearing next to a date of receipt, or by the letters "NR", in the right-hand column, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
2. This updates and replaces any previously issued notification concerning submission or transmittal of priority documents.
3. An asterisk(\*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b). In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
4. The letters "NR" appearing in the right-hand column denote a priority document which was not received by the International Bureau or which the applicant did not request the receiving Office to prepare and transmit to the International Bureau, as provided by Rule 17.1(a) or (b), respectively. In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

<u>Priority date</u>	<u>Priority application No.</u>	<u>Country or regional Office or PCT receiving Office</u>	<u>Date of receipt of priority document</u>
09 Augu 2002 (09.08.02)	2,397,280	CA	25 Sept 2003 (25.09.03)

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. (41-22) 338.89.85	Authorized officer Léonard MULLER (Fax 338-8995) Telephone No. (41-22) 338 8817
--	---

Form PCT/IB/304 (July 1998)

005880088

## REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

International Application No.

International Filing Date

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference  
(if desired) (12 characters maximum) L8000684WO

<b>Box No. I TITLE OF INVENTION</b> OPTICAL FIBER CONNECTOR ASSEMBLY	
<b>Box No. II APPLICANT</b> <input type="checkbox"/> This person is also inventor	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)  Le Gardien du Savoir 255, rue Racine Est, Bureau 600 C.P. 5420 Chicoutimi, Québec, G7H 6J6, Canada	Telephone No. 418.545.4580  Facsimile No. 418.549.9590  Teleprinter No.  Applicant's registration No. with the Office
State (that is, country) of nationality: CA	State (that is, country) of residence: CA
This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input checked="" type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box	
<b>Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)</b>	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)  WEYNANT, Éric 1175, rue Ducharme, Apartment 101 Outremont, Montréal, Québec, H2V 1E3, Canada	This person is: <input type="checkbox"/> applicant only <input checked="" type="checkbox"/> applicant and inventor <input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)  Applicant's registration No. with the Office
State (that is, country) of nationality: CA	State (that is, country) of residence: CA
This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input checked="" type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box	
<input checked="" type="checkbox"/> Further applicants and/or (further) inventors are indicated on a continuation sheet.	
<b>Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE</b>	
The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: <input checked="" type="checkbox"/> agent <input type="checkbox"/> common representative	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)  MANOLAKIS, Emmanuel; D'IORIO, Hélène Gowling Lafleur Henderson LLP 1, Place Ville-Marie, 37th Floor Montréal, Québec, H3B 3P4, Canada	Telephone No. 514.878.9641  Facsimile No. 514.878.1450  Teleprinter No.  Agent's registration No. with the Office
<input type="checkbox"/> Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.	

Form PCT/RO/101 (first sheet) (March 2001; reprint July 2003)

See Notes to the request form

OTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)	
If none of the following sub-boxes is used, this sheet should not be included in the request.	
<p>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</p> <p>DEMISSY, Daniel 196A, Montée Henrysburg St-Bernard de Lacolle, Québec, J0J 1V0, Canada</p>	<p>This person is:</p> <p><input type="checkbox"/> applicant only</p> <p><input checked="" type="checkbox"/> applicant and inventor</p> <p><input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)</p> <p>Applicant's registration No. with the Office</p>
State (that is, country) of nationality: CA	State (that is, country) of residence: CA
<p>This person is applicant for the purposes of:</p> <p><input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input checked="" type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box</p>	
<p>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</p>	<p>This person is:</p> <p><input type="checkbox"/> applicant only</p> <p><input type="checkbox"/> applicant and inventor</p> <p><input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)</p> <p>Applicant's registration No. with the Office</p>
State (that is, country) of nationality:	State (that is, country) of residence:
<p>This person is applicant for the purposes of:</p> <p><input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box</p>	
<p>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</p>	<p>This person is:</p> <p><input type="checkbox"/> applicant only</p> <p><input type="checkbox"/> applicant and inventor</p> <p><input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)</p> <p>Applicant's registration No. with the Office</p>
State (that is, country) of nationality:	State (that is, country) of residence:
<p>This person is applicant for the purposes of:</p> <p><input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box</p>	
<p>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</p>	<p>This person is:</p> <p><input type="checkbox"/> applicant only</p> <p><input type="checkbox"/> applicant and inventor</p> <p><input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)</p> <p>Applicant's registration No. with the Office</p>
State (that is, country) of nationality:	State (that is, country) of residence:
<p>This person is applicant for the purposes of:</p> <p><input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box</p>	
<p>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</p>	<p>This person is:</p> <p><input type="checkbox"/> applicant only</p> <p><input type="checkbox"/> applicant and inventor</p> <p><input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)</p> <p>Applicant's registration No. with the Office</p>
State (that is, country) of nationality:	State (that is, country) of residence:
<p>This person is applicant for the purposes of:</p> <p><input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box</p>	
<p><input type="checkbox"/> Further applicants and/or (further) inventors are indicated on another continuation sheet.</p>	

Form PCT/RO/101 (continuation sheet) (March 2001; reprint July 2003)

See Notes to the request form



mark the applicable check-boxes below; at least one must be marked.

The following designations are hereby made under Rule 4.9(a):

**Regional Patent**

☒ **AP** ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT (if other kind of protection or treatment desired, specify on dotted line) .....

☒ **EA** Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT .....

☒ **EP** European Patent: AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, HU Hungary, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, RO Romania, SE Sweden, SI Slovenia, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT .....

☒ **OA** OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GQ Equatorial Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line) .....

**National Patent (if other kind of protection or treatment desired, specify on dotted line):**

<input checked="" type="checkbox"/> AE United Arab Emirates	<input checked="" type="checkbox"/> HR Croatia	<input checked="" type="checkbox"/> OM Oman
<input checked="" type="checkbox"/> AG Antigua and Barbuda	<input checked="" type="checkbox"/> HU Hungary	<input checked="" type="checkbox"/> PG Papua New Guinea
<input checked="" type="checkbox"/> AL Albania	<input checked="" type="checkbox"/> ID Indonesia	<input checked="" type="checkbox"/> PH Philippines
<input checked="" type="checkbox"/> AM Armenia	<input checked="" type="checkbox"/> IL Israel	<input checked="" type="checkbox"/> PL Poland
<input checked="" type="checkbox"/> AT Austria	<input checked="" type="checkbox"/> IN India	<input checked="" type="checkbox"/> PT Portugal
<input checked="" type="checkbox"/> AU Australia	<input checked="" type="checkbox"/> IS Iceland	<input checked="" type="checkbox"/> RO Romania
<input checked="" type="checkbox"/> AZ Azerbaijan	<input checked="" type="checkbox"/> JP Japan	<input checked="" type="checkbox"/> RU Russian Federation
<input checked="" type="checkbox"/> BA Bosnia and Herzegovina	<input checked="" type="checkbox"/> KE Kenya	<input checked="" type="checkbox"/> SC Seychelles
<input checked="" type="checkbox"/> BB Barbados	<input checked="" type="checkbox"/> KG Kyrgyzstan	<input checked="" type="checkbox"/> SD Sudan
<input checked="" type="checkbox"/> BG Bulgaria	<input checked="" type="checkbox"/> KP Democratic People's Republic of Korea	<input checked="" type="checkbox"/> SE Sweden
<input checked="" type="checkbox"/> BR Brazil	<input checked="" type="checkbox"/> KR Republic of Korea	<input checked="" type="checkbox"/> SG Singapore
<input checked="" type="checkbox"/> BY Belarus	<input checked="" type="checkbox"/> KZ Kazakhstan	<input checked="" type="checkbox"/> SK Slovakia
<input checked="" type="checkbox"/> BZ Belize	<input checked="" type="checkbox"/> LC Saint Lucia	<input checked="" type="checkbox"/> SL Sierra Leone
<input checked="" type="checkbox"/> CA Canada	<input checked="" type="checkbox"/> LK Sri Lanka	<input checked="" type="checkbox"/> SY Syrian Arab Republic
<input checked="" type="checkbox"/> CH & LI Switzerland and Liechtenstein	<input checked="" type="checkbox"/> LR Liberia	<input checked="" type="checkbox"/> TJ Tajikistan
<input checked="" type="checkbox"/> CN China	<input checked="" type="checkbox"/> LS Lesotho	<input checked="" type="checkbox"/> TM Turkmenistan
<input checked="" type="checkbox"/> CO Colombia	<input checked="" type="checkbox"/> LT Lithuania	<input checked="" type="checkbox"/> TN Tunisia
<input checked="" type="checkbox"/> CR Costa Rica	<input checked="" type="checkbox"/> LU Luxembourg	<input checked="" type="checkbox"/> TR Turkey
<input checked="" type="checkbox"/> CU Cuba	<input checked="" type="checkbox"/> LV Latvia	<input checked="" type="checkbox"/> TT Trinidad and Tobago
<input checked="" type="checkbox"/> CZ Czech Republic	<input checked="" type="checkbox"/> MA Morocco	<input checked="" type="checkbox"/> TZ United Republic of Tanzania
<input checked="" type="checkbox"/> DE Germany	<input checked="" type="checkbox"/> MD Republic of Moldova	<input checked="" type="checkbox"/> UA Ukraine
<input checked="" type="checkbox"/> DK Denmark	<input checked="" type="checkbox"/> MG Madagascar	<input checked="" type="checkbox"/> UG Uganda
<input checked="" type="checkbox"/> DM Dominica	<input checked="" type="checkbox"/> MK The former Yugoslav Republic of Macedonia	<input checked="" type="checkbox"/> US United States of America
<input checked="" type="checkbox"/> DZ Algeria	<input checked="" type="checkbox"/> MN Mongolia	<input checked="" type="checkbox"/> UZ Uzbekistan
<input checked="" type="checkbox"/> EC Ecuador	<input checked="" type="checkbox"/> MW Malawi	<input checked="" type="checkbox"/> VC Saint Vincent and the Grenadines
<input checked="" type="checkbox"/> EE Estonia	<input checked="" type="checkbox"/> MX Mexico	<input checked="" type="checkbox"/> VN Viet Nam
<input checked="" type="checkbox"/> ES Spain	<input checked="" type="checkbox"/> MZ Mozambique	<input checked="" type="checkbox"/> YU Serbia and Montenegro
<input checked="" type="checkbox"/> FI Finland	<input checked="" type="checkbox"/> NI Nicaragua	<input checked="" type="checkbox"/> ZA South Africa
<input checked="" type="checkbox"/> GB United Kingdom	<input checked="" type="checkbox"/> NO Norway	<input checked="" type="checkbox"/> ZM Zambia
<input checked="" type="checkbox"/> GD Grenada	<input checked="" type="checkbox"/> NZ New Zealand	<input checked="" type="checkbox"/> ZW Zimbabwe
<input checked="" type="checkbox"/> GE Georgia		
<input checked="" type="checkbox"/> GH Ghana		
<input checked="" type="checkbox"/> GM Gambia		

Check-boxes below reserved for designating States which have become party to the PCT after issuance of this sheet:

☐ ..... ☐ .....

**Precautionary Designation Statement:** In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

Form PCT/RO/101 (second sheet) (July 2003)

See Notes to the request form

**Box No. VI PRIORITY CLAIM**

The priority of the following earlier application(s) is hereby claimed:

Filing date of earlier application (day/month/year)	Number of earlier application	Where earlier application is:		
		national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office
item (1) 9 August 2002 (09.08.02)	2,397,280	CA		
item (2)				
item (3)				
item (4)				
item (5)				

☐ Further priority claims are indicated in the Supplemental Box.

The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) identified above as:

☐ all items    ☒ item (1)    ☐ item (2)    ☐ item (3)    ☐ item (4)    ☐ item (5)    ☐ other, see Supplemental Box

\* Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Protection of Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.10(b)(ii)): . . . .

**Box No. VII INTERNATIONAL SEARCHING AUTHORITY**

Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):

ISA / EPO

Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):

Date (day/month/year)

Number

Country (or regional Office)

**Box No. VIII DECLARATIONS**

The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration):

Number of  
declarations

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Box No. VIII (i)   | Declaration as to the identity of the inventor   | : |
| <input type="checkbox"/> Box No. VIII (ii)  | Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent             | : |
| <input type="checkbox"/> Box No. VIII (iii) | Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application | : |
| <input type="checkbox"/> Box No. VIII (iv)  | Declaration of inventorship (only for the purposes of the designation of the United States of America)                               | : |
| <input type="checkbox"/> Box No. VIII (v)   | Declaration as to non-prejudicial disclosures or exceptions to lack of novelty   | : |

Form PCT/RO/101 (third sheet) (July 2002; reprint July 2003)

See Notes to the request form

<p><b>This international application contains:</b></p> <p>(a) in paper form, the following number of sheets:</p> <table style="width: 100%;"> <tr> <td>request (including declaration sheets) :</td> <td style="text-align: right;">5</td> </tr> <tr> <td>description (excluding sequence listings and/or tables related thereto) :</td> <td style="text-align: right;">16</td> </tr> <tr> <td>claims :</td> <td style="text-align: right;">3</td> </tr> <tr> <td>abstract :</td> <td style="text-align: right;">2</td> </tr> <tr> <td>drawings :</td> <td style="text-align: right;">7</td> </tr> <tr> <td><b>Sub-total number of sheets :</b></td> <td style="text-align: right;"><b>33</b></td> </tr> <tr> <td>sequence listings tables related thereto :</td> <td></td> </tr> <tr> <td colspan="2"><i>(for both, actual number of sheets if filed in paper form, whether or not also filed in computer readable form; see (c) below)</i></td> </tr> <tr> <td><b>Total number of sheets :</b></td> <td style="text-align: right;"><b>33</b></td> </tr> </table> <p>(b) <input type="checkbox"/> only in computer readable form (Section 801(a)(i))</p> <p style="margin-left: 20px;">(i) <input type="checkbox"/> sequence listings</p> <p style="margin-left: 20px;">(ii) <input type="checkbox"/> tables related thereto</p> <p>(c) <input type="checkbox"/> also in computer readable form (Section 801(a)(ii))</p> <p style="margin-left: 20px;">(i) <input type="checkbox"/> sequence listings</p> <p style="margin-left: 20px;">(ii) <input type="checkbox"/> tables related thereto</p> <p>Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the</p> <p><input type="checkbox"/> sequence listings: .....</p> <p><input type="checkbox"/> tables related thereto: .....</p> <p><i>(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)</i></p>	request (including declaration sheets) :	5	description (excluding sequence listings and/or tables related thereto) :	16	claims :	3	abstract :	2	drawings :	7	<b>Sub-total number of sheets :</b>	<b>33</b>	sequence listings tables related thereto :		<i>(for both, actual number of sheets if filed in paper form, whether or not also filed in computer readable form; see (c) below)</i>		<b>Total number of sheets :</b>	<b>33</b>	<p><b>This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):</b></p> <table style="width: 100%;"> <tr> <td>1. <input checked="" type="checkbox"/> fee calculation sheet</td> <td style="text-align: right;">:</td> </tr> <tr> <td>2. <input type="checkbox"/> original separate power of attorney</td> <td style="text-align: right;">:</td> </tr> <tr> <td>3. <input type="checkbox"/> original general power of attorney</td> <td style="text-align: right;">:</td> </tr> <tr> <td>4. <input type="checkbox"/> copy of general power of attorney; reference number, if any: .....</td> <td style="text-align: right;">:</td> </tr> <tr> <td>5. <input type="checkbox"/> statement explaining lack of signature</td> <td style="text-align: right;">:</td> </tr> <tr> <td>6. <input type="checkbox"/> priority document(s) identified in Box No. VI as item(s): .....</td> <td style="text-align: right;">:</td> </tr> <tr> <td>7. <input type="checkbox"/> translation of international application into (language): .....</td> <td style="text-align: right;">:</td> </tr> <tr> <td>8. <input type="checkbox"/> separate indications concerning deposited microorganism or other biological material</td> <td style="text-align: right;">:</td> </tr> <tr> <td>9. <input type="checkbox"/> sequence listings in computer readable form (indicate type and number of carriers)</td> <td style="text-align: right;">:</td> </tr> <tr> <td style="margin-left: 20px;">(i) <input type="checkbox"/> copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application):</td> <td style="text-align: right;">:</td> </tr> <tr> <td style="margin-left: 20px;">(ii) <input type="checkbox"/> (only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter</td> <td style="text-align: right;">:</td> </tr> <tr> <td style="margin-left: 20px;">(iii) <input type="checkbox"/> together with relevant statement as to the identity of the copy or copies with the sequence listings mentioned in left column</td> <td style="text-align: right;">:</td> </tr> <tr> <td>10. <input type="checkbox"/> tables in computer readable form related to sequence listings (indicate type and number of carriers)</td> <td style="text-align: right;">:</td> </tr> <tr> <td style="margin-left: 20px;">(i) <input type="checkbox"/> copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the international application)</td> <td style="text-align: right;">:</td> </tr> <tr> <td style="margin-left: 20px;">(ii) <input type="checkbox"/> (only where check-box (b)(ii) or (c)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater)</td> <td style="text-align: right;">:</td> </tr> <tr> <td style="margin-left: 20px;">(iii) <input type="checkbox"/> together with relevant statement as to the identity of the copy or copies with the tables mentioned in left column</td> <td style="text-align: right;">:</td> </tr> <tr> <td>11. <input type="checkbox"/> other (specify): .....</td> <td style="text-align: right;">:</td> </tr> </table>	1. <input checked="" type="checkbox"/> fee calculation sheet	:	2. <input type="checkbox"/> original separate power of attorney	:	3. <input type="checkbox"/> original general power of attorney	:	4. <input type="checkbox"/> copy of general power of attorney; reference number, if any: .....	:	5. <input type="checkbox"/> statement explaining lack of signature	:	6. <input type="checkbox"/> priority document(s) identified in Box No. VI as item(s): .....	:	7. <input type="checkbox"/> translation of international application into (language): .....	:	8. <input type="checkbox"/> separate indications concerning deposited microorganism or other biological material	:	9. <input type="checkbox"/> sequence listings in computer readable form (indicate type and number of carriers)	:	(i) <input type="checkbox"/> copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application):	:	(ii) <input type="checkbox"/> (only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter	:	(iii) <input type="checkbox"/> together with relevant statement as to the identity of the copy or copies with the sequence listings mentioned in left column	:	10. <input type="checkbox"/> tables in computer readable form related to sequence listings (indicate type and number of carriers)	:	(i) <input type="checkbox"/> copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the international application)	:	(ii) <input type="checkbox"/> (only where check-box (b)(ii) or (c)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater)	:	(iii) <input type="checkbox"/> together with relevant statement as to the identity of the copy or copies with the tables mentioned in left column	:	11. <input type="checkbox"/> other (specify): .....	:
request (including declaration sheets) :	5																																																				
description (excluding sequence listings and/or tables related thereto) :	16																																																				
claims :	3																																																				
abstract :	2																																																				
drawings :	7																																																				
<b>Sub-total number of sheets :</b>	<b>33</b>																																																				
sequence listings tables related thereto :																																																					
<i>(for both, actual number of sheets if filed in paper form, whether or not also filed in computer readable form; see (c) below)</i>																																																					
<b>Total number of sheets :</b>	<b>33</b>																																																				
1. <input checked="" type="checkbox"/> fee calculation sheet	:																																																				
2. <input type="checkbox"/> original separate power of attorney	:																																																				
3. <input type="checkbox"/> original general power of attorney	:																																																				
4. <input type="checkbox"/> copy of general power of attorney; reference number, if any: .....	:																																																				
5. <input type="checkbox"/> statement explaining lack of signature	:																																																				
6. <input type="checkbox"/> priority document(s) identified in Box No. VI as item(s): .....	:																																																				
7. <input type="checkbox"/> translation of international application into (language): .....	:																																																				
8. <input type="checkbox"/> separate indications concerning deposited microorganism or other biological material	:																																																				
9. <input type="checkbox"/> sequence listings in computer readable form (indicate type and number of carriers)	:																																																				
(i) <input type="checkbox"/> copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application):	:																																																				
(ii) <input type="checkbox"/> (only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter	:																																																				
(iii) <input type="checkbox"/> together with relevant statement as to the identity of the copy or copies with the sequence listings mentioned in left column	:																																																				
10. <input type="checkbox"/> tables in computer readable form related to sequence listings (indicate type and number of carriers)	:																																																				
(i) <input type="checkbox"/> copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the international application)	:																																																				
(ii) <input type="checkbox"/> (only where check-box (b)(ii) or (c)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater)	:																																																				
(iii) <input type="checkbox"/> together with relevant statement as to the identity of the copy or copies with the tables mentioned in left column	:																																																				
11. <input type="checkbox"/> other (specify): .....	:																																																				
Figure of the drawings which should accompany the abstract: <span style="float: right;">12</span>	Language of filing of the international application: <span style="float: right;">ENGLISH</span>																																																				
<p><b>Box No. X SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE</b></p> <p><i>Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).</i></p>   <p>Emmanuel Manolakis</p>																																																					

For receiving Office use only	
<p>1. Date of actual receipt of the purported international application: _____</p> <p>3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application: _____</p> <p>4. Date of timely receipt of the required corrections under PCT Article 11(2): _____</p> <p>5. International Searching Authority (if two or more are competent): <span style="float: right;">ISA /</span></p>	<p>2. Drawings:</p> <p><input type="checkbox"/> received:</p> <p><input type="checkbox"/> not received:</p>
<p>6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid</p>	
For International Bureau use only	
<p>Date of receipt of the record copy by the International Bureau: _____</p>	

PCT

FEE CALCULATION SHEET  
Annex to the Request

For receiving Office use only

Applicant's or agent's  
file reference

L8000684WO

International Application No.

Date: stamp of the receiving Office

Applicant

Le Savoir du Gardien Inc.

## CALCULATION OF PRESCRIBED FEES

1. TRANSMITTAL FEE . . . . . 200 [T]  
 2. SEARCH FEE . . . . . 1,552 [S]

International search to be carried out by \_\_\_\_\_  
*(If two or more International Searching Authorities are competent to carry out the international search, indicate the name of the Authority which is chosen to carry out the international search.)*

## 3. INTERNATIONAL FEE

Basic Fee

Where items (b) and/or (c) of Box No. IX apply, enter Sub-total number of sheets } 33  
 Where items (b) and (c) of Box No. IX do not apply, enter Total number of sheets }

[b1] first 30 sheets . . . . . 730 [b1]

[b2] 3 x 17 = 51 [b2]  
 number of sheets in excess of 30 fee per sheet

[b3] additional component (only if sequence listings and/or tables related thereto are filed in computer readable form under Section 801(a)(i), or both in that form and on paper, under Section 801(a)(ii)):

400 x \_\_\_\_\_ = \_\_\_\_\_ [b3]  
 fee per sheet

Add amounts entered at b1, b2 and b3 and enter total at B . . . . . 781 [B]

Designation Fees

The international application contains all designations.

\_\_\_\_\_ x \_\_\_\_\_ = 785 [D]  
 number of designation fees payable (maximum 5) amount of designation fee

Add amounts entered at B and D and enter total at I . . . . . 1,566 [I]

*(Applicants from certain States are entitled to a reduction of 75% of the international fee. Where the applicant is (or all applicants are) so entitled, the total to be entered at I is 25% of the sum of the amounts entered at B and D.)*

4. FEE FOR PRIORITY DOCUMENT (if applicable) . . . . . [P]

5. TOTAL FEES PAYABLE . . . . . 3,138.00\$

Add amounts entered at T, S, I and P, and enter total in the TOTAL box

TOTAL

☐ The designation fees are not paid at this time.

## MODE OF PAYMENT

- ☒ authorization to charge deposit account (see below) ☐ postal money order ☐ cash ☐ coupons  
☐ cheque ☐ bank draft ☐ revenue stamps ☐ other (specify):

AUTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT ACCOUNT  
*(This mode of payment may not be available at all receiving Offices)*

- ☐ Authorization to charge the total fees indicated above.  
☒ *(This check-box may be marked only if the conditions for deposit accounts of the receiving Office so permit)* Authorization to charge any deficiency or credit any overpayment in the total fees indicated above.  
☐ Authorization to charge the fee for priority document.

Receiving Office: RO/ PCT-CA

Deposit Account No.: 600000595

Date: 7 August 2003

Name: Gowing Lafleur Henderson

Signature: \_\_\_\_\_

Form PCT/RO/101 (Annex) (January 2003; reprint July 2003)

See Notes to the fee calculation sheet

10/522995

T05 Rec'd PCT/PTO 02 FEB 2005

## IN THE EUROPEAN PATENT OFFICE

In The Matter of PCT International Patent Application:

Applicant : Le Savoir du Gardien Inc.  
Owner : Le Savoir du Gardien Inc.  
PCT Appln. No. : PCT/CA03/01195  
PCT Filing Date : August 7, 2003  
Title : OPTICAL FIBER CONNECTOR ASSEMBLY  
Our File : L8000684WO  
Date : March 9, 2004

European Patent Office  
Erhardstrasse 27  
D-80331 Munich  
GERMANY

**Demand under Article 31 of the Patent Cooperation Treaty;  
and Request for Detailed Examination**

Dear Sir:

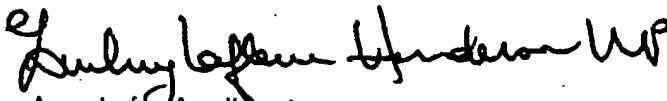
The Applicant requests that the International Application specified above be made the subject of International Preliminary Examination according to Article 31 of the Patent Cooperation Treaty.

In addition, the Applicant requests detailed examination of this case.

The prescribed Demand form is attached hereto and the prescribed fees will be paid at a later date.

Respectfully submitted,

**GOWLING LAFLEUR HENDERSON LLP**  
1 Place Ville Marie, 37th Floor  
Montreal, Québec  
Canada H3B 3P4

  
Agents for Applicant

Emmanuel Manolakis  
Direct Dial (514) 392-9592  
EMM:sd

The demand must be filed directly with the competent International Preliminary Examining Authority or, if two or more Authorities are competent, with the one chosen by the applicant. The full name or two-letter code of that Authority may be indicated by the applicant on the line below:

IPEA/ EPO

# PCT

## CHAPTER II

### DEMAND

under Article 31 of the Patent Cooperation Treaty:

The undersigned requests that the international application specified below be the subject of international preliminary examination according to the Patent Cooperation Treaty.

For International Preliminary Examining Authority use only	
Identification of IPEA	Date of receipt of DEMAND
<b>Box No. I IDENTIFICATION OF THE INTERNATIONAL APPLICATION</b> Applicant's or agent's file reference L8000684WO	
International application No. PCT/CA03/01195	International filing date (day/month/year) 07 August 2003 (07-08-2003) (Earliest) Priority date (day/month/year) 09 August 2002 (09-08-2002)
Title of invention OPTICAL FIBER CONNECTOR ASSEMBLY	
<b>Box No. II APPLICANT(S)</b>	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) LE SAVOIR DU GARDIEN INC. 255, rue Racine Est, Bureau 600 C.P. 5420 Chicoutimi, Québec, G7H 6J6, Canada	
Telephone No. 418.545.4580	
Facsimile No. 418.549.9590	
Teleprinter No.	
Applicant's registration No. with the Office	
State (that is, country) of nationality: CA	State (that is, country) of residence: CA
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) WEYNANT, Éric 1175, rue Ducharme, Appartment 101 Outremont, Montréal, Québec, H2V 1E3, Canada	
State (that is, country) of nationality: CA	State (that is, country) of residence: CA
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) DEMISSY, Daniel 196A, Montée Henrysburg St-Bernard de Lacolle, Québec, J0J 1V0, Canada	
State (that is, country) of nationality: CA	State (that is, country) of residence: CA
<input type="checkbox"/> Further applicants are indicated on a continuation sheet.	

Form PCT/IPEA/401 (first sheet) (January 2004)

See Notes to the demand form

PCT/CA03/01195

☐ is hereby appointed, specifically for the procedure before the International Preliminary Examining Authority, in addition to the agent(s)/common representative appointed earlier.

Agent's registration No. with the Office

02/02/05 WED 10:52 [TX/RX NO 9857] 0055

Sheet No. 3

International application No.  
PCT/CA03/01195

## Box No. VI CHECK LIST

The demand is accompanied by the following elements, in the language referred to in Box No. IV, for the purposes of international preliminary examination:

- |  |   |        |
|--|---|--------|
| 1. translation of international application                              | : | sheets |
| 2. amendments under Article 34   | : | sheets |
| 3. copy (or, where required, translation) of amendments under Article 19 | : | sheets |
| 4. copy (or, where required, translation) of statement under Article 19  | : | sheets |
| 5. letter  | : | sheets |
| 6. other (specify)   | : | sheets |

For International Preliminary  
Examining Authority use only

- |                          |                          |
|--------------------------|--------------------------|
| received                 | not received             |
| <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |

The demand is also accompanied by the item(s) marked below:

- |  |  |
|--|--|
| 1. <input type="checkbox"/> fee calculation sheet  | 5. <input type="checkbox"/> statement explaining lack of signature                         |
| 2. <input type="checkbox"/> original separate power of attorney                          | 6. <input type="checkbox"/> sequence listing in computer readable form                     |
| 3. <input type="checkbox"/> original general power of attorney                           | 7. <input type="checkbox"/> tables in computer readable form related to a sequence listing |
| 4. <input type="checkbox"/> copy of general power of attorney; reference number, if any; | 8. <input type="checkbox"/> other (specify):   |

## Box No. VII SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the demand).

  
MANOLAKIS, Emmanouel

For International Preliminary Examining Authority use only

1. Date of actual receipt of DEMAND:

2. Adjusted date of receipt of demand due to CORRECTIONS under Rule 60.1(b):

3. ☐ The date of receipt of the demand is AFTER the expiration of 19 months from the priority date and item 4 or 5, below, does not apply.  
☐ The applicant has been informed accordingly.
4. ☐ The date of receipt of the demand is WITHIN the time limit of 19 months from the priority date as extended by virtue of Rule 80.5.
5. ☐ Although the date of receipt of the demand is after the expiration of 19 months from the priority date, the delay in arrival is EXCUSED pursuant to Rule 82.

6. ☐ The date of receipt of the demand is AFTER the expiration of the time limit under Rule 54bis.1(a) and item 7 or 8, below, does not apply.
7. ☐ The date of receipt of the demand is WITHIN the time limit under Rule 54bis.1(a) as extended by virtue of Rule 80.5.
8. ☐ Although the date of receipt of the demand is after the expiration of the time limit under Rule 54bis.1(a), the delay in arrival is EXCUSED pursuant to Rule 82.

For International Bureau use only

Demand received from IPEA on:

Form PCT/IPEA/401 (last sheet) (January 2004)

See Notes to the demand form



**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☒ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**